

MS CREATIVE SCHOOL
CONTINUOUS & COMPREHENSIVE EVALUATION
MODEL PAPER 1
SUMMATIVE ASSESSMENT-2019
BIOLOGICAL SCIENCE - PAPER-2

(X Class)

(Max Marks: 40)

(Time: 2:45 Hrs.)

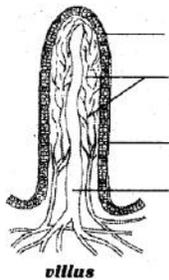
Student name: Roll No:

Section-A

7×1=7

Note:

- I. Answer all of the following questions.
 - II. Each question carries 1 marks.
 - III. Answer the questions in 2-3 sentences.
1. Why are weeds and wild plants not affected by insects and pests?
 2. What would happen to the plants if stomata is closed?
 3. How does deoxygenated blood get oxygen during respiration?
 4. Write two activities which you are performing to save the environment.
 5. Write the names of the parts in the given diagram.



6. Why do we get peculiar smell when we shift a potted plant?
7. If any life process fails to function, what affect would it have on our body?

Section-B

6×2=12

Note:

- I. Answer all of the following questions.
 - II. Each question carries two marks.
 - III. Write the answers in 4-5 sentences.
8. What does Carbon dating method indicate?
 9. Name the secondary metabolite which is useful in leather and rubber industries. From which plant we obtain them.
 10. Read the paragraph and answer the following questions:

Stimulating and coordinating the breaking down of food, absorbing nutrients and expelling of waste requires chemical processing, mechanical mixing and rhythmic muscle contraction that move everything down the line.

- i. Which system is linked with the above passage?
- ii. What do we call the entire nervous system?

11. Who decides the sex of a baby- mother or father? Give reason?
12. Why it is important to recharge the ground water source.
13. What are the effects of consumption of fossil fuels?

Section-C.

4×4=16

Note:

- i. **Answer all the questions**
- ii. **Only one option from each question is to be attempted.**
- iii. **Each question carries 4 marks**
- iv. **Answer each question in 8-10 sentences.**

14. Rasheed is a busy man. Suddenly he was admitted in a hospital. The doctor said that his kidneys were not functioning and he needed dialysis. Why did doctors refer dialysis to Rasheed? Explain the principle involved in dialysis.

(Or)

Explain the cardiac cycle.

15. Name the different excretory organs in human body and excretory material generated by them?

(Or)

Mention the materials required and explain the procedure of the experiment to prove the presence of starch in leaves.

16. Explain Mendel's dihybrid cross with example.

(Or)

Prepare a pamphlet to educate farmers for replacing chemical fertilizers with natural fertilizers.

17. Observe the table and answer the following questions.

Village	Type of farmer	Income per acre on crops			
		Paddy	Cotton	Mirchi	Maize
A	Small	7500	9300	5200	5000
	Large	26700	38000	16700	12900
B	Small	7200	8750	4900	5100
	Large	32900	42000	18400	13700

- i. Which crop is most suitable for cultivate for small farmers in both the villages.
- ii. If you are a large scale farmer, which crop do you select to cultivate?
- iii. Which is the lowest income crop.
- iv. What similarities you have identified in village-A and village-B?

(Or)

Write your opinion after reading the following information.

We know some species which existed million years ago, but we may not find them now. They might be extinct and some of them may be found in the form of fossils. The scientists got evidence of presence of Dinosaurs like animals in the form of fossils.

Instructions:

- I. Answer all of the following questions
- II. Each question carries ½ marks
- III. Answer to be written in question paper only.
- IV. Marks will not be awarded in case of overwriting, rewriting and erased answers.

18. What does XY represent in human chromosome configuration? (.)
- A. Human sex cell representing a male.
 - B. Human sex cell representing a female.
 - C. Any animal sex cell representing a male
 - D. Any animal sex cell representing a female.
19. The element which we found in chlorophyll as to iron in haemoglobin. (.)
- A. Cu
 - B. Fe
 - C. Ca
 - D. Mg
20. The surface area of small intestine is coiled due to. (.)
- A. Cristae
 - B. Micro-villi
 - C. Mucous gland
 - D. Cilia
21. We call it the currency of energy. (.)
- A. NADP
 - B. ADP
 - C. ATP
 - D. All of these
22. We can measure systolic and diastolic pressure of a human being with a (.)
- A. Monometer
 - B. Anaemia monometer
 - C. Sphygmomanometer
 - D. None of these.
23. The alkaloid used to cure malaria (.)
- A. Quinine
 - B. Reserpine
 - C. Nicotine
 - D. Caffeine
24. The world with living organisms is called. (.)
- A. Ecosystem
 - B. Lithosphere
 - C. Food web
 - D. Biosphere
25. This is not a fossil fuel. (.)

- A. CNG
- B. LPG
- C. Kerosene
- D. Solar energy

26. If a spermatozoan doesn't have tail, then (.)

- A. Sperm cell become feeble
- B. Fertilisation will not take place
- C. Mitochondria will not function
- D. Both A and B

27. Which of the following is referred as sunshine vitamin. (.)

- A. Calciferol
- B. Biotin
- C. Retinol
- D. Ascorbic acid
